



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Weather Shield Manufacturing, Inc.
One Weather Shield Plaza (P.O. Box 309)
Medford, WI 54451-0309

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Legacy 1103 Fixed Double Hung" Aluminum Clad Wood Picture Window –

APPROVAL DOCUMENT: Drawing No. 1481, titled "Legacy Aluminum Clad Double Hung Picture Window. (Model 1103)", sheets 1 through 3 of 3, dated 05/24/06, with revision B1 dated 07/21/16, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises and renews NOA# 14-0424.09 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jorge M. Plasencia, P.E.**



JP
9/10/2016

NOA No. 16-0726.04
Expiration Date: October 05, 2021
Approval Date: September 08, 2016
Page 1

Weather Shield Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **1481**, titled "Legacy Aluminum Clad Double Hung Picture Window (Model 1103)", sheets 1 through 3 of 3, dated 05/24/06, with revision B1 dated 07/21/16, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of glazed single alum clad wood fixed window & mulled fixed wood windows, prepared by STORK Material Technology Inc., Test Report No. **SMT-180-7088**, dated 01/10/06, signed and sealed by Thomas Kolden, P.E.
(Submitted under NOA #06-0711.10)

C. CALCULATIONS


1. Anchor verification calculations and structural analysis, complying with FBC-2007 FBC-2010, FBC-2014 prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 06/23/06, signed and sealed by Warren W. Schaefer, P.E.
(Submitted under previous NOA #06-0711.10)
2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-0624.02** issued to **Kuraray America, Inc.** for their "SentryGlas® (Clear and White) Interlayer" dated 06/25/15, expiring on 07/04/18.



Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 16-0726.04
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F. STATEMENTS

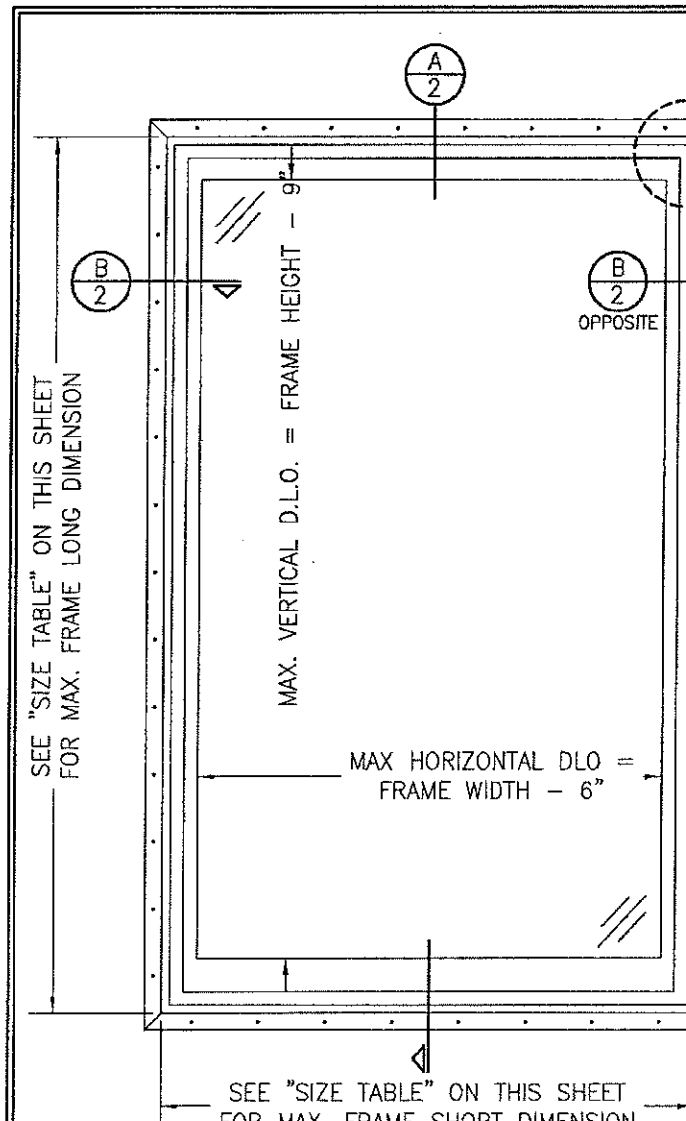
1. Statement letter of conformance, complying with **FBC 5th Edition (2014)**, dated 07/21/16, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of no financial interest, dated 07/21/16, signed and sealed by Warren W. Schaefer, P.E.

G. OTHERS

1. Notice of Acceptance No. **14-0424.09**, issued to Weather Shield Manufacturing, Inc. for their Series "Legacy 1103" Aluminum Clad Fixed Window – L.M.I., approved on 06/19/14 and expiring on 10/05/16.



Jorge M. Plasencia, P.E.
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SEE "SIZE TABLE" ON THIS SHEET FOR MAX. FRAME LONG DIMENSION

SEE "SIZE TABLE" ON THIS SHEET FOR MAX. FRAME SHORT DIMENSION

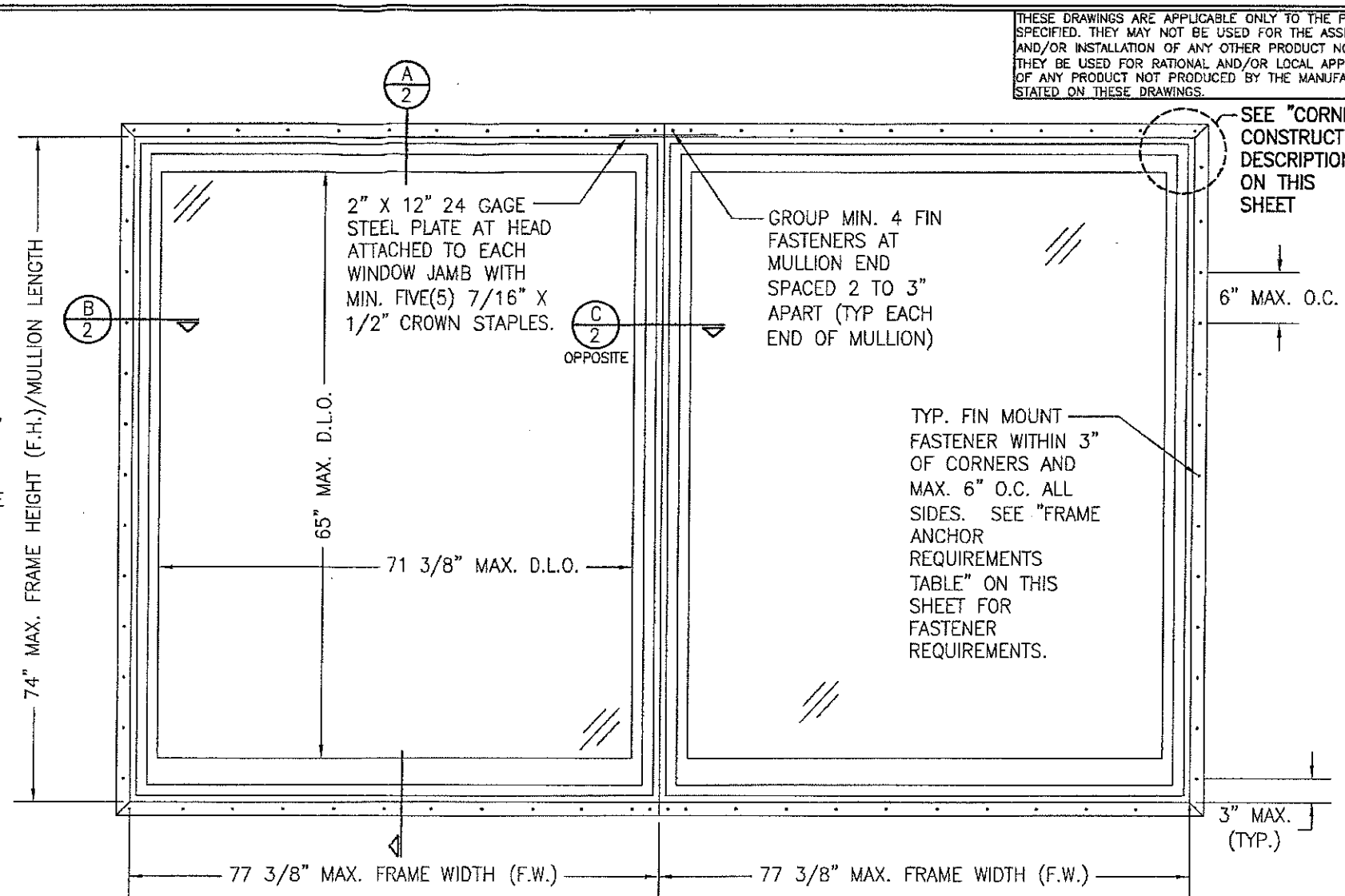
**EXTERIOR ELEVATION
SINGLE WINDOW**

ALLOWABLE SINGLE WINDOW SIZE TABLE			
WITH GLASS OPTION 1 (HEAT STRENGTHENED)		WITH GLASS OPTION 2 (ANNEALED)	
MAX. FRAME LONG DIMENSION	MAX. FRAME SHORT DIMENSION	MAX. FRAME LONG DIMENSION	MAX. FRAME SHORT DIMENSION
(IN.)	(IN.)	(IN.)	(IN.)
144"	45"	144"	39"
132"	50"	132"	43"
120"	55"	120"	47"
108"	61"	108"	53"
101 1/4"	65 1/4"	96"	59"
96"	68"	90"	63"
90"	73"	84"	68"
89"	74"	77 3/8"	74"

1. ALL HEIGHT & WIDTH DIMENSIONS ARE +/-1/2"

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT PRODUCTS.
5. THIS PRODUCT HAS BEEN DESIGNED IN ACCORDANCE WITH AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THIS PRODUCT.
7. ALL ANCHORS SECURING PRODUCT FRAMES TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $K_d = 0.85$ MAY BE APPLIED PER THE ASCE-7 STANDARD.
9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR $C_d = 1.6$ WAS USED FOR WOOD SCREW ANALYSIS ONLY.
10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE.
11. ALL WOOD MEMBERS OF THIS PRODUCT THAT MAY POSSIBLY COME INTO CONTACT WITH MASONRY OR CONCRETE SUBSTRATES, ARE SUBJECT TO MOISTURE &/OR ARE SUBJECT TO THE OUTSIDE ENVIRONMENT SHALL BE OF AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD WITH AN APPROVED PRESERVATIVE PER FBC REQUIREMENTS.



EXTERIOR ELEVATION: MULTIPLE WINDOWS
(FOR DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION)

1. ALL MULLED WINDOWS ARE RESTRICTED BY THE DIMENSIONS SPECIFIED.
2. UP TO 4 WINDOWS MAY BE STACKED HORIZONTALLY IN AN OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT THE WINDOWS & THEIR TRANSFERRED WIND LOADS.

ALLOWABLE DESIGN PRESSURE (SINGLE & MULLED UNITS)	
+55/-67.5 PSF	

CORNER CONSTRUCTION:

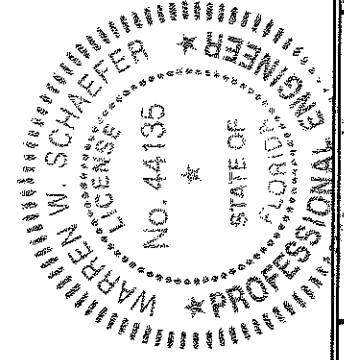
FRAME CORNERS: WOOD JAMBS ARE RABBETED, BUTTED, SEALED WITH SILICONE & SECURED WITH THREE(3) 16 GAGE X 1/2" X 1 3/4" STAPLES PER CORNER. CLAD IS MITER CUT, SEALED AND SECURED WITH 1 NO. 6 X 1 1/4" SMS 410 S.S. SCREW PER CORNER.

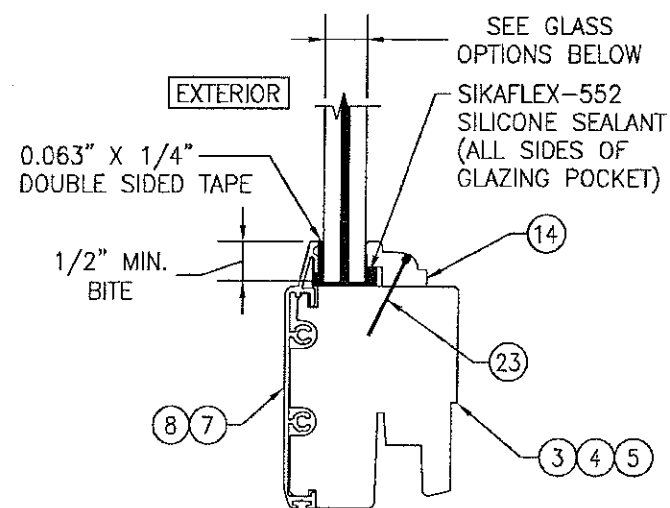
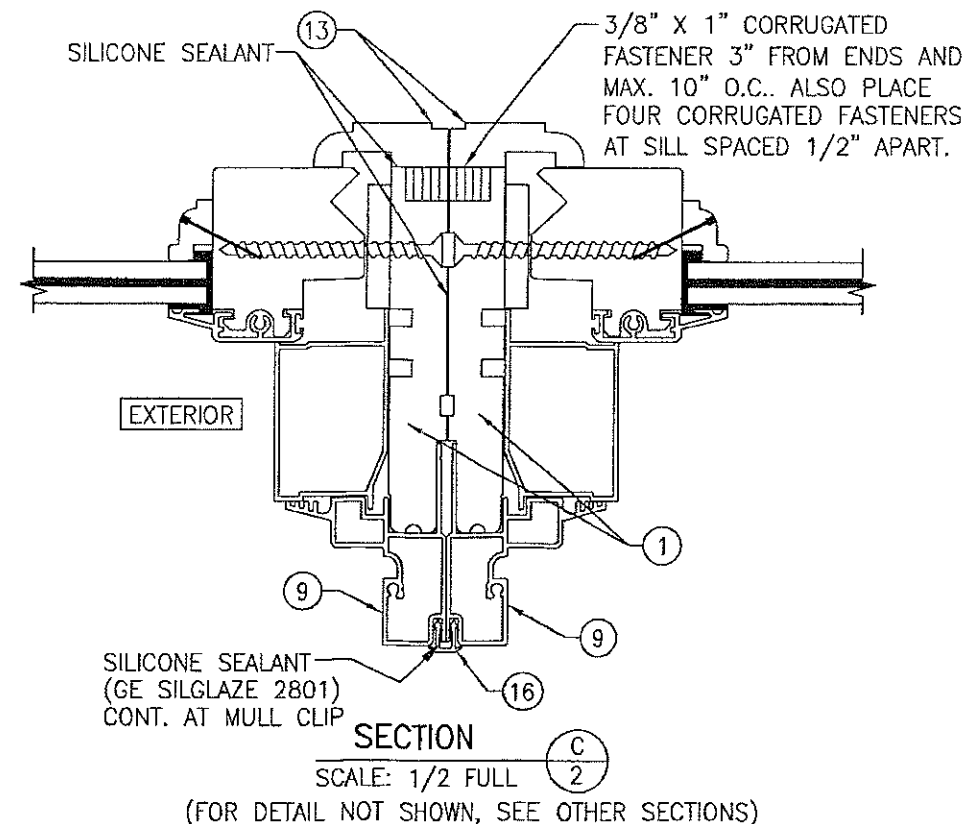
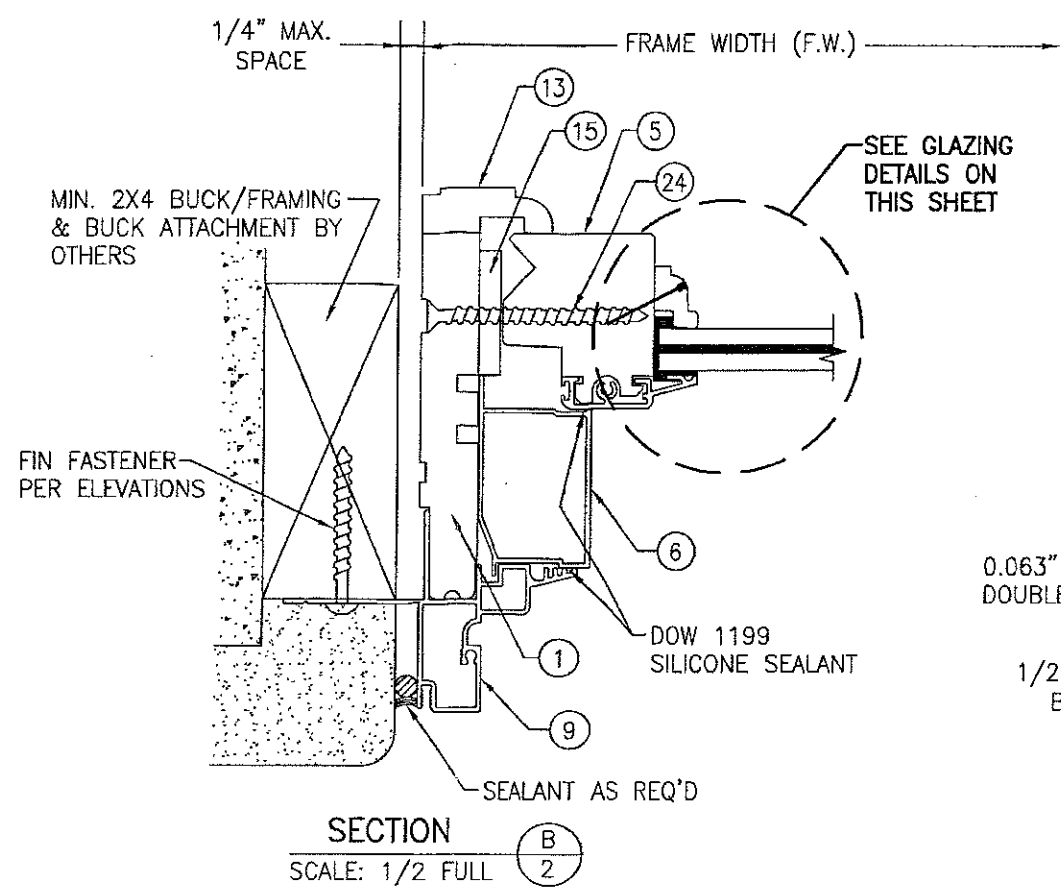
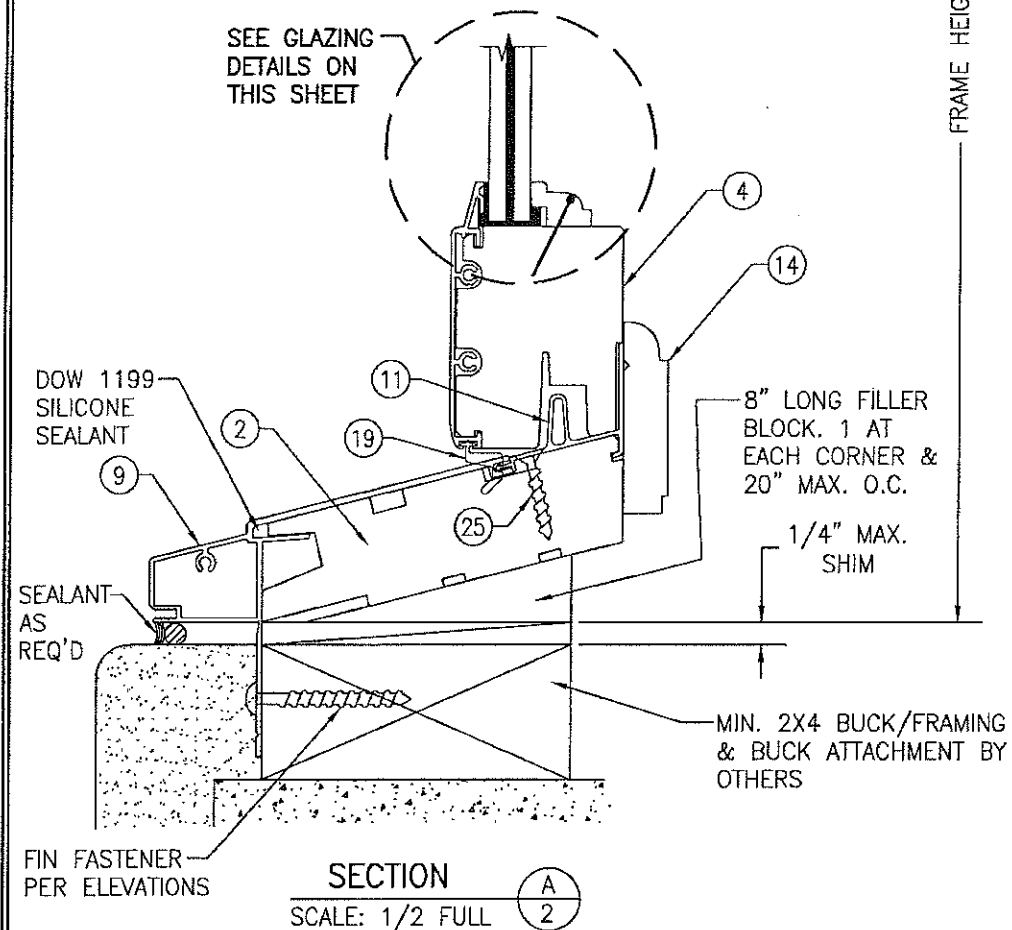
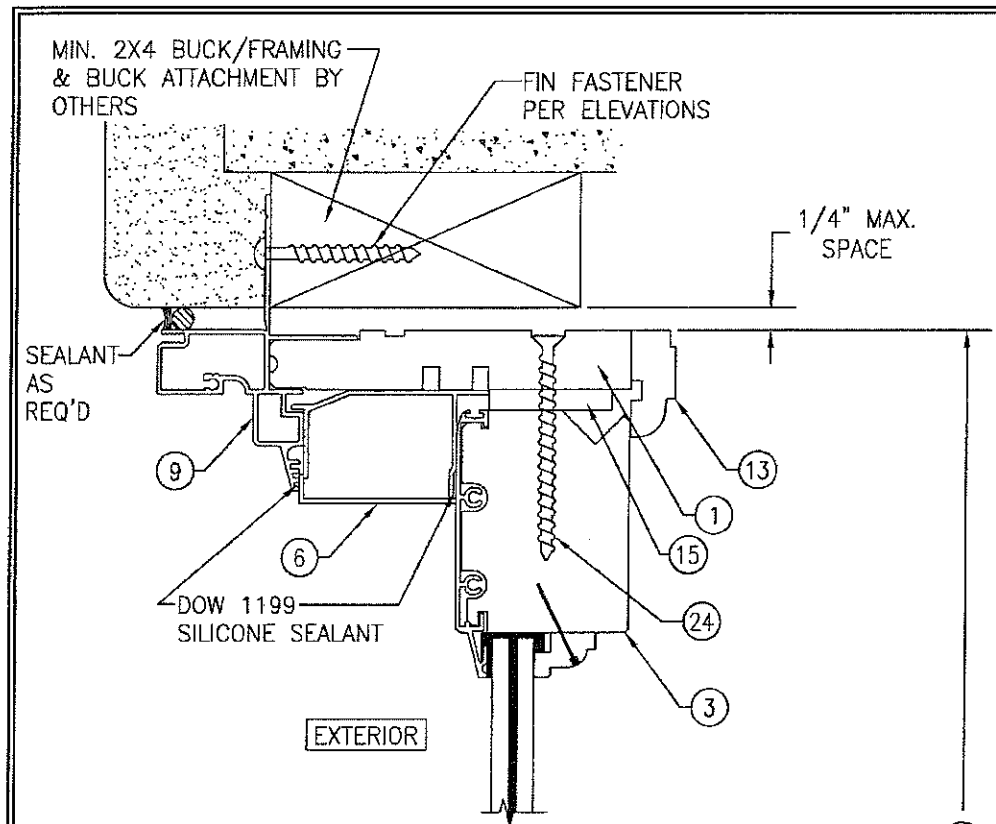
SASH CORNERS: WOOD SASH CORNERS ARE TOUNGE & GROOVE FIT WITH CORNERS BUTTED AND SECURED WITH 1 NO. 8 X 2 1/2" SCREW THROUGH THE STILE INTO THE RAIL. ALUMINUM CLAD CORNERS ARE MITER CUT & SECURED WITH 2 NO. 6 X 1 1/4" SMS 410 S.S. SCREWS & SEALED WITH SILICONE.

FRAME ANCHOR REQUIREMENTS TABLE			
OPENING TYPE (SUBSTRATE)	FIN MOUNT FASTENER	MINIMUM EMBEDMENT	MINIMUM EDGE DIST.
2X- WOOD FRAME OR BUCK	NO. 8 SMS SCREW	1 1/2"	1/2"

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=16		DATE: 05/24/06	
DATE	BY	REVISION	DESCRIPTION
11/01/11	W.R.M.	A1	UPDATE TO CURRENT STANDARDS
07/21/16	W.W.S.	B1	UPDATE TO CURRENT STANDARDS
LEGACY ALUMINUM CLAD DOUBLE HUNG PICTURE WINDOW (MODEL 1103) MANUFACTURER: WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
CERTIFICATION: JUL 21 2016 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1481		REV. B	
SHEET NO. 1		OF 3	





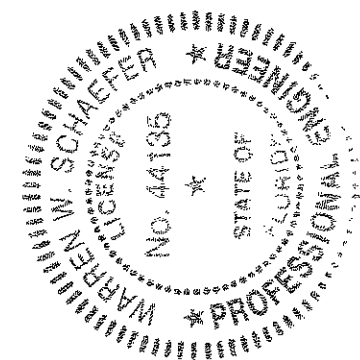
TYP. GLAZING DETAIL

GLASS OPTION 1:
9/16" THICK LAMINATED HEAT STRENGTHENED GLASS (1/4" HT. ST./0.09 KURARAY SG/1/4" HT.ST)

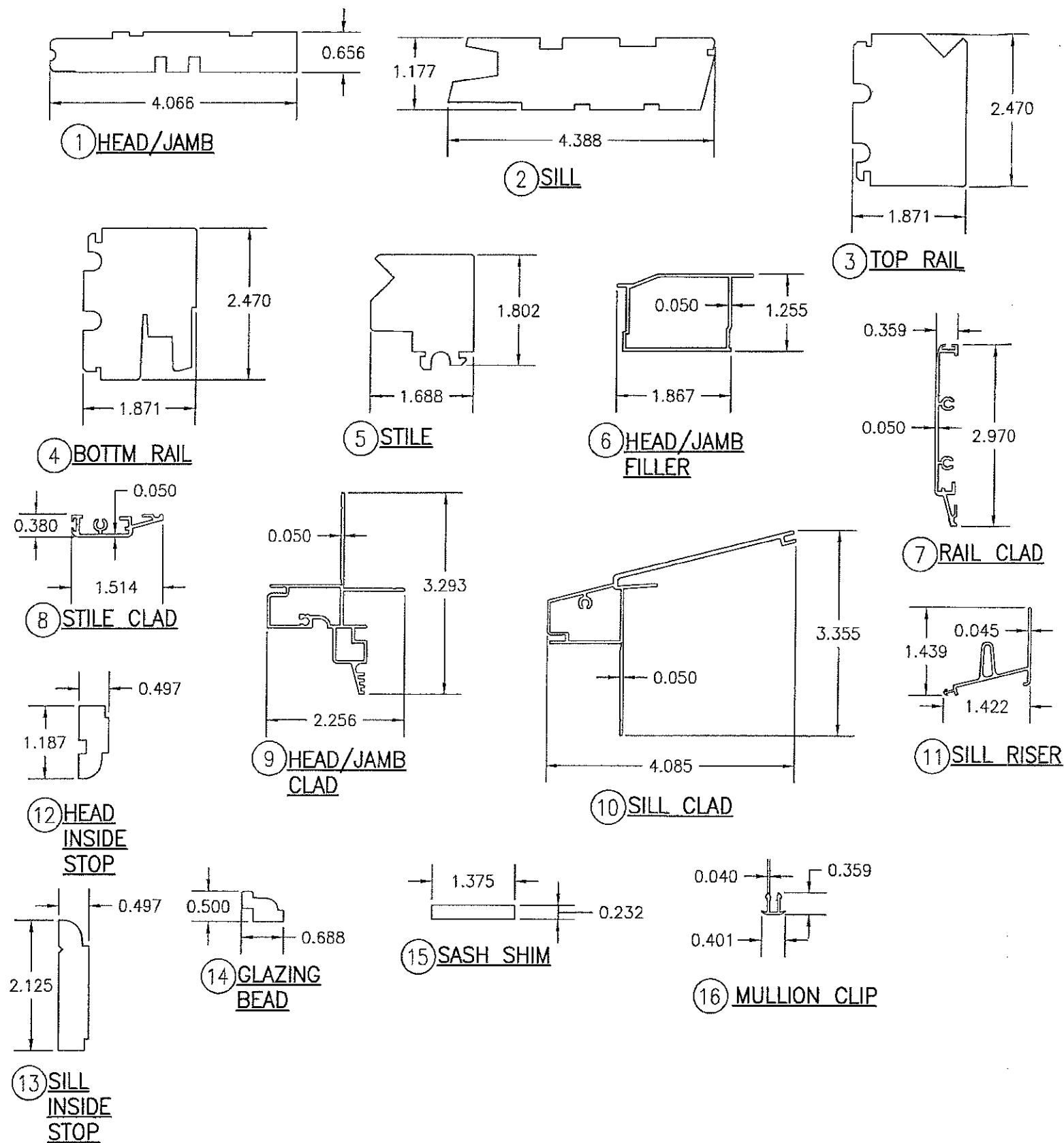
GLASS OPTION 2:
9/16" THICK LAMINATED ANNEALED GLASS (1/4" AN/0.09 KURARAY SG/1/4" AN)

NOTE: KURARAY WAS PREVIOUSLY NAMED DUPONT

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 16-0726.04
Expiration Date 10/05/2021
By Miami-Date Product Control



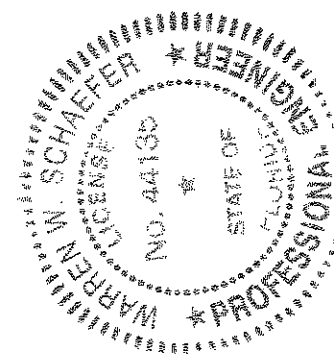
DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 05/24/06
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE LEGACY ALUMINUM CLAD DOUBLE HUNG PICTURE WINDOW (MODEL 1103)	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CERTIFICATION JUL 21 2016	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1481	REV. B
SHEET NO. 2 OF 3	



ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	08-1004-01	HEAD/JAMB	LVL
2	08-1003-01	SILL	* PONDEROSA PINE
3	08-2147-02	TOP RAIL	* PONDEROSA PINE
4	08-2148-02	BOTTOM RAIL	* PONDEROSA PINE
5	08-2106-02	STILE	* PONDEROSA PINE
6	04-2103-02	HEAD/JAMB FILLER	6063-T5 ALUMINUM
7	04-1017-01	RAIL CLAD	6063-T5 ALUMINUM
8	04-1018-01	STILE CLAD	6063-T5 ALUMINUM
9	P0119700	HEAD/JAMB CLAD	6063-T5 ALUMINUM
10	P0120600	SILL CLAD	6063-T5 ALUMINUM
11	224-063	SILL RISER	6063-T5 ALUMINUM
12	08-2553-02	HEAD INSIDE STOP	* PONDEROSA PINE
13	08-1005-01	SILL INSIDE STOP	* PONDEROSA PINE
14	160038T	GLAZING BEAD	* PONDEROSA PINE
15	60-0894-01	SASH SHIM (AS REQ'D)	* PONDEROSA PINE
16	04-0005-M051	CONTINUOUS MULLION CLIP	6063-T5 ALUMINUM
SEALS AND SEALANTS			
19	12-0055	WEATHERSTRIP	VINYL
MISC. FASTENERS			
23	-	18 GA. X 1" BRAD 3" FROM CORNERS & 8" O.C.	2 PER FRAME CLIP
24	-	NO. 8 X 2 1/2" SCREW	WITHIN 5" OF SASH CORNERS & 10" TO 12" O.C.
25	-	NO. 6 X 1" SCREW	WITHIN 3" OF ENDS & 10" TO 12" O.C.

* WOOD USED IN TESTING WAS WESTERN PINE. OTHER WOOD SPECIES APPLICABLE FOR USE WITH THIS PRODUCT ARE THOSE WITH A SPECIFIC GRAVITY OF 0.43 AND MODULUS OF ELASTICITY OF 1,200,000 PSI OR GREATER. ALL WOOD IS MINIMUM GRADE 2 MILLED BY WEATHER SHIELD TO SELECT.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 16-0726.04
Expiration Date 10/05/2021
By *[Signature]*
Miami-Dade Product Control



DRAWING TITLE LEGACY ALUMINUM CLAD DOUBLE HUNG PICTURE WINDOW (MODEL 1103)		DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
DATE 1-2		DATE 05/24/06			
BY		DATE			
REVISION DESCRIPTION		NO.			
MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555		CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		CERTIFICATION JUL 21 2016 WARREN W. SCHAEFER, P.E. P.E. NO. 44130	
DRAWING NO. 1481		REV. B		SHEET NO. 3 OF 3	